APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

Use of a Photographic Film and Scintillating Crystal System to Record Gamma Radiation, by R. I. Kogan, N. K. Pereyaslova, 6 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 4, 1957, pp 25-27.

AEC NP-139

Sci - Phys

Oct 58

75-581

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

Increasing the Efficiency of Ionisation and Proportional Counters, by Ye P Ovchinnikov, S. S. Semenov, 10 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 4, 1957, pp 39-43.

AEC-Tr-3701

Sci - P. Kuyper
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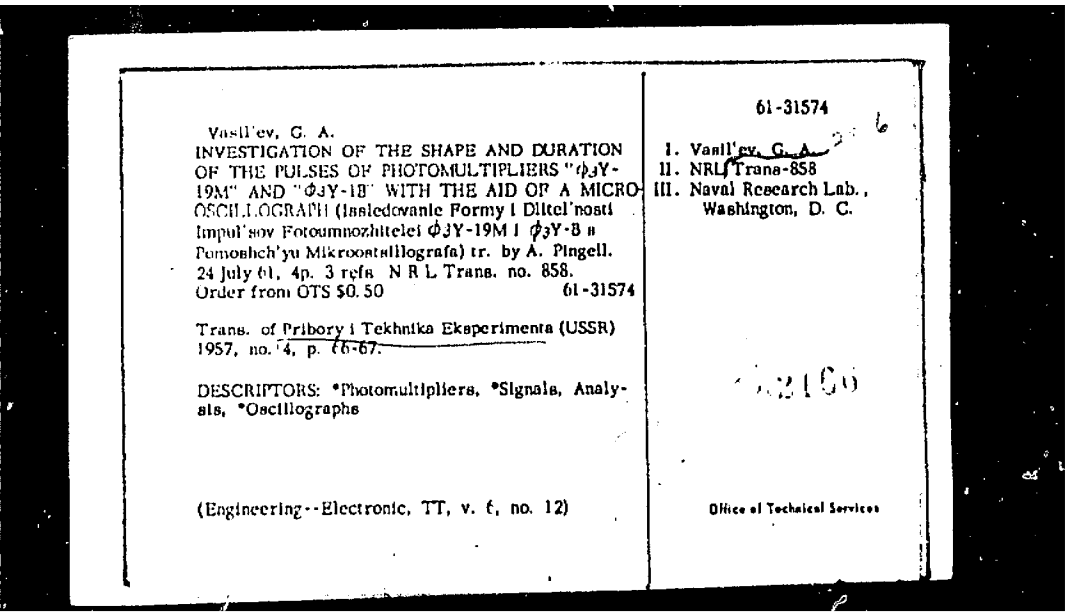

Vasil'ev, G. A.
INVESTIGATION OF THE SHAPE AND DURATION OF THE PULSES OF PHOTOMULTIPLIERS "ФЭУ-19М" AND "ФЭУ-18" WITH THE AID OF A MICRO-OSCILLOGRAPH (Issledovanie Formy i Dlitel'nosti Impul'sov Fotoumnozhitelei ФЭУ-19М i ФЭУ-8 s Pomoshch'yu Mikroostsillografa) tr. by A. Pingell. 24 July 61, 4p. 3 refs. N R L Trans. no. 858. Order from OTS $0.50 61-31574

Trans. of Pribory i Tekhnika Eksperimenta (USSR) 1957, no. 4, p. 66-67.

DESCRIPTORS: *Photomultipliers, *Signals, Analysis, *Oscillographs

(Engineering--Electronic, TT, v. 6, no. 12)

61-31574

1. Vasil'ev, G. A.
II. NRL Trans-858
III. Naval Research Lab., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

On the Determination of the Permeation of Gases in Metals, by A. M. Rodin.
RUSSIAN, per, Prábóry i Tekh Eksperimenta, No 4, 1957, pp 68-69. Pribory
*CFSTI TT 70-59120

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June 70

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

Negative Hydrogen Ion Source, by A. V. Almazov, Yu. M. Khirnyy,

RUSSIAN, per, Pribory i Tekh Eksper, No 5, 1957, pp 54-59. 907076

AEC Tr-4018

Sci - Phys

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

Determination of the Dynamic Mechanical Characteristics of Rubbers at Sonic Frequencies, by V. [illegible] Volodin, E. V. Kuvshinskiy, 5 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 5, 1957, pp 86-91.

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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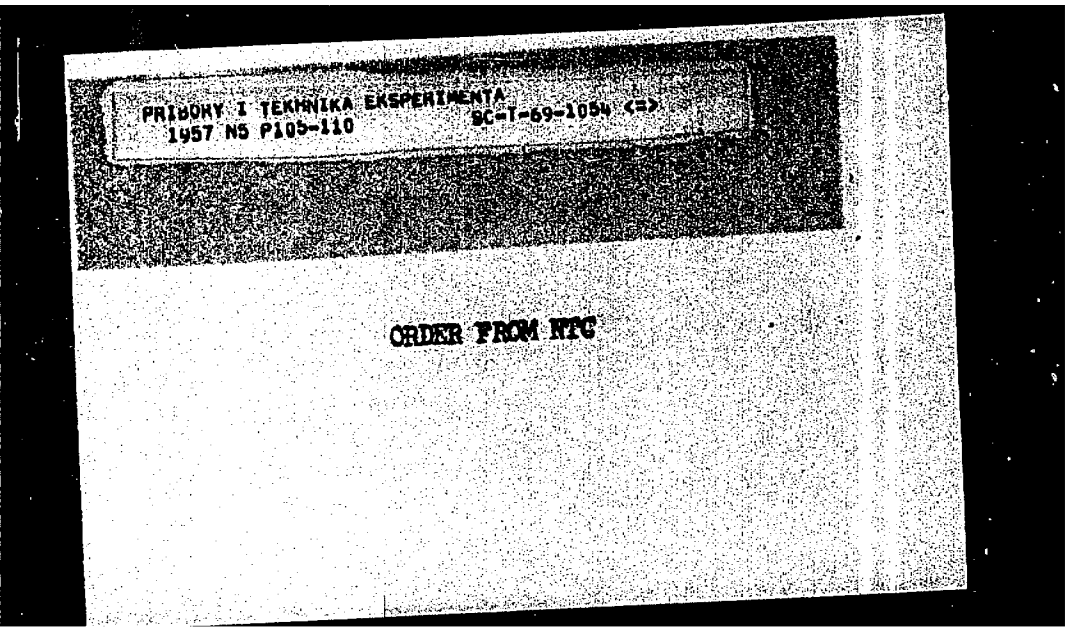

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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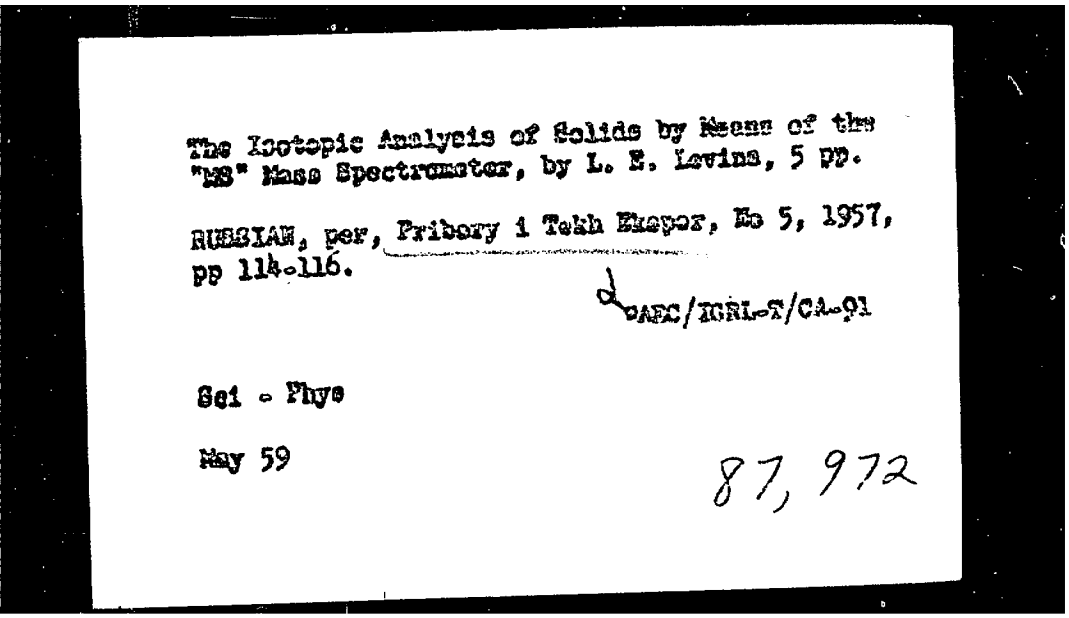

The Isotopic Analysis of Solids by Means of the "MS" Mass Spectrometer, by L. E. Levina, 5 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 5, 1957, pp 114-116.

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On Charge Transfer as a Method of Obtaining "Single Peak" Mass Spectra, by V. L. Tal'roze. UNCL

RUSSIAN; per, Prib i Tekh Eksper, No 5, 1957, pp 116, 117.

DSIR LIU (loan) M.341

Sci - Phys
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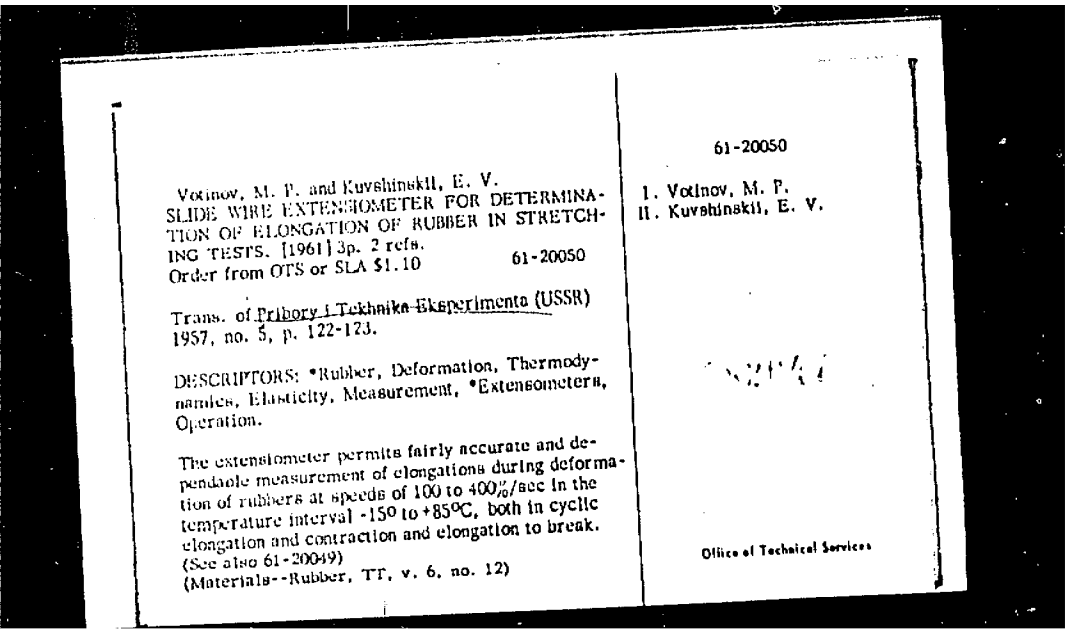

Votinov, M. P. and Kuvshinskii, E. V.
SLIDE WIRE EXTENSIOMETER FOR DETERMINATION OF ELONGATION OF RUBBER IN STRETCHING TESTS. [1961] 3p. 2 refs.
Order from OTS or SLA $1.10 61-20050

Trans. of Pribory i Tekhnika Eksperimenta (USSR)
1957, no. 5, p. 122-123.

DESCRIPTORS: *Rubber, Deformation, Thermodynamics, Elasticity, Measurement, *Extensometers, Operation.

The extensiometer permits fairly accurate and dependable measurement of elongations during deformation of rubbers at speeds of 100 to 400%/sec in the temperature interval -150 to +85°C, both in cyclic elongation and contraction and elongation to break.
(See also 61-20049)
(Materials--Rubber, TT, v. 6, no. 12)

61-20050

I. Votinov, M. P.
II. Kuvshinskii, E. V.

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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Photoelectron and Electron Multipliers (Survey),
by N. S. Khlebnikov, A. Ye. Melamid.

RUSSIAN, bk, Pribory i Tekhnika Eksperimento, No 6,
Nov-Dec 1957, pp 6-18.

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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Toroidal β -Spectrometer for Investigating the Conversion Radiation Which Accompanies α -Decay, by E. F. Tret'yakov, L. L. Gol'din, G. I. Grishuk, 15 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 6, 1957, pp 22-30.

AEC tr-3935

Sci - Phys
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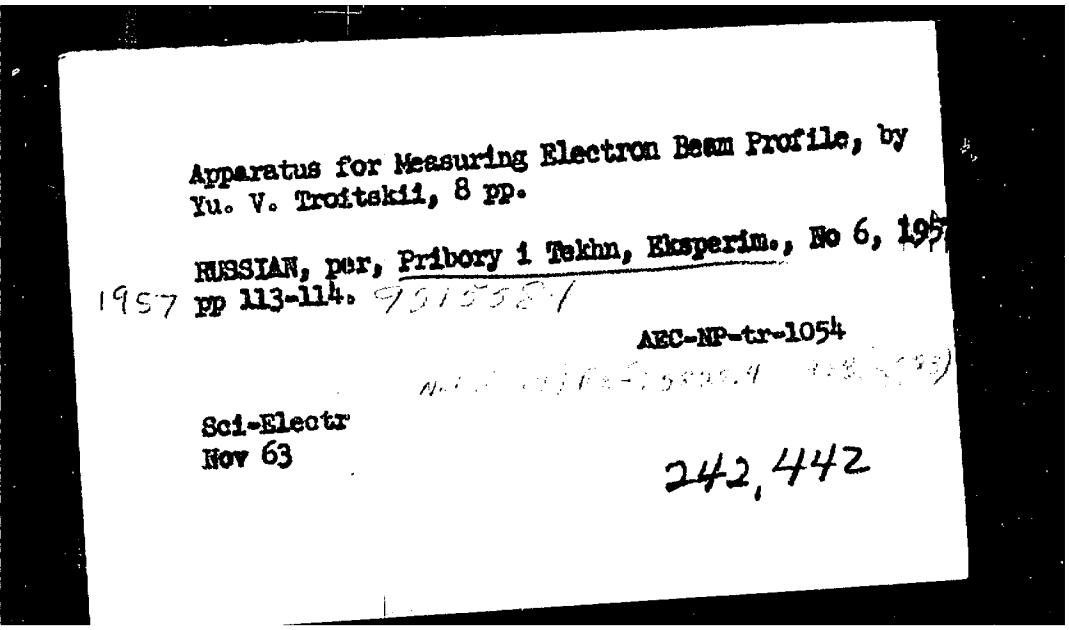

Apparatus for Measuring Electron Beam Profile, by
Yu. V. Troitskii, 8 pp.

RUSSIAN, per, Pribory i Tekhn, Eksperim., No 6, 195
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AEC-NP-tr-1054

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Nov 63

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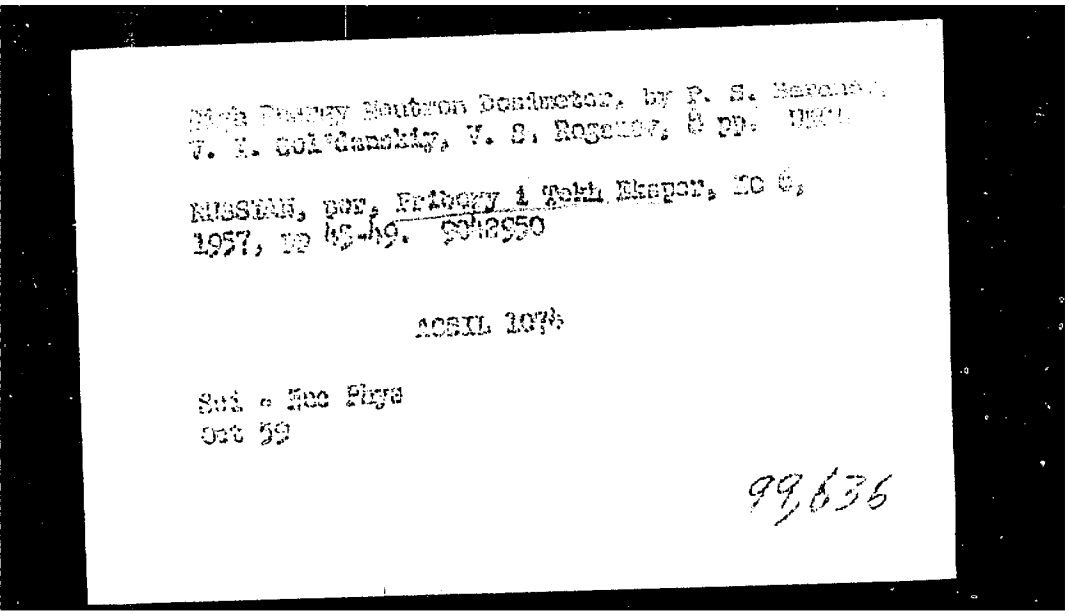
APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8



Pile Pulsed Neutron Conductor, by P. S. Semenov, V. I. Goldanskiy, V. S. Rogelev, 8 pp. illus.

RUSSIAN, pub. Prikaty i Tekh. Eksper., no 6, 1957, pp 45-49. 9618550

ACSIL 1074

Sol. & Ice Pigs
Oct 59

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Variation in the Composition of the Filling Material and in the Characteristics of Counters in Relation to the Number of Counts Taken, by L. S. Eig, Chaykovskiy.

RUSSIAN, per, Pribory i Tekh Eksper, No 6, 1957, pp 50-54.

DSIR LLU (loan) N.319

Sci - Engr, instruments
Jun 59

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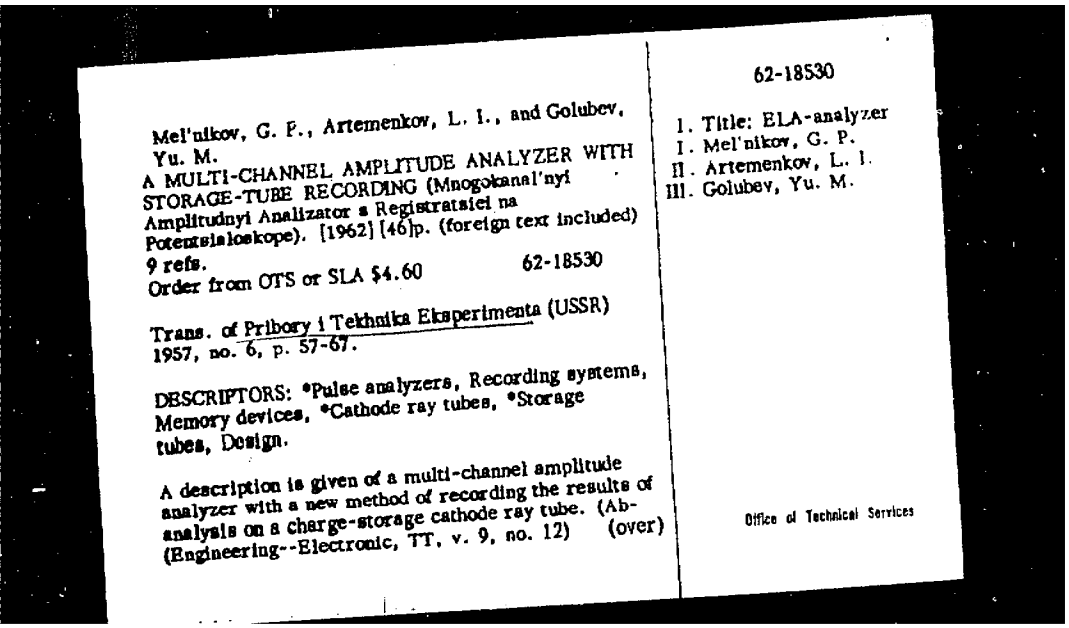

Mel'nikov, G. P., Artemenkov, L. I., and Golubev, Yu. M.
A MULTI-CHANNEL AMPLITUDE ANALYZER WITH STORAGE-TUBE RECORDING (Mnogokanal'nyi Amplitudnyi Analizator s Registratsiei na Potentsialoskope). [1962] [46]p. (foreign text included) 9 refs.
Order from OTS or SLA $4.60 62-18530

Trans. of Pribory i Tekhnika Eksperimenta (USSR) 1957, no. 6, p. 57-67.

DESCRIPTORS: *Pulse analyzers, Recording systems, Memory devices, *Cathode ray tubes, *Storage tubes, Design.

A description is given of a multi-channel amplitude analyzer with a new method of recording the results of analysis on a charge-storage cathode ray tube. (Abstract) (Engineering--Electronic, TT, v. 9, no. 12) (over)

62-18530

I. Title: ELA-analyzer
I. Mel'nikov, G. P.
II. Artemenkov, L. I.
III. Golubev, Yu. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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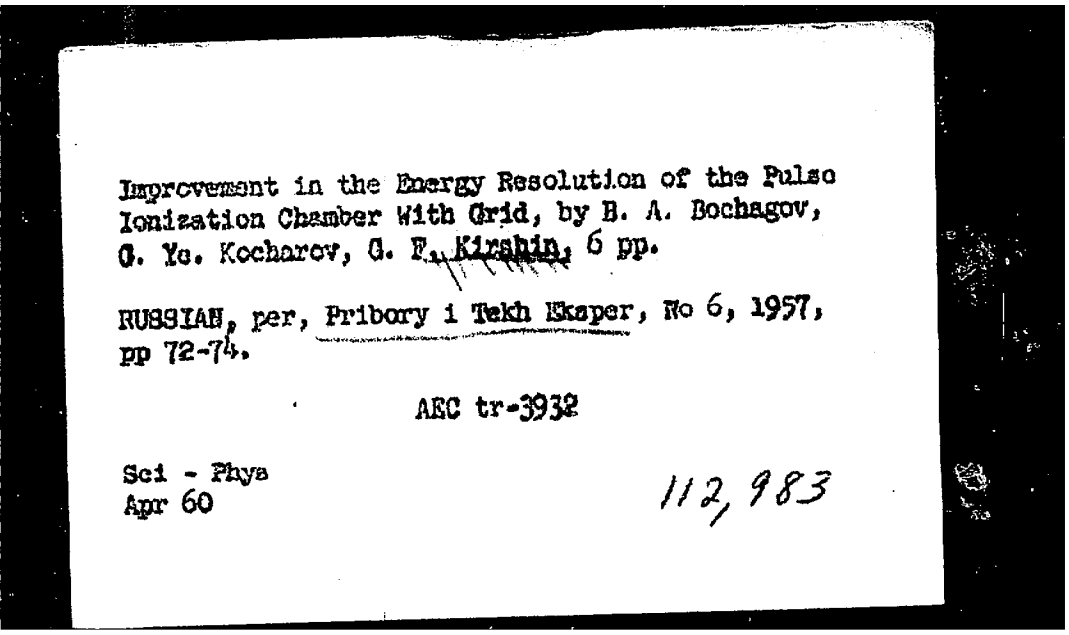

Improvement in the Energy Resolution of the Pulse Ionization Chamber With Grid, by B. A. Bochagov, G. Ye. Kocharov, G. F. Kirshin, 6 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 6, 1957, pp 72-74.

AEC tr-3932

Sci - Phys
Apr 60

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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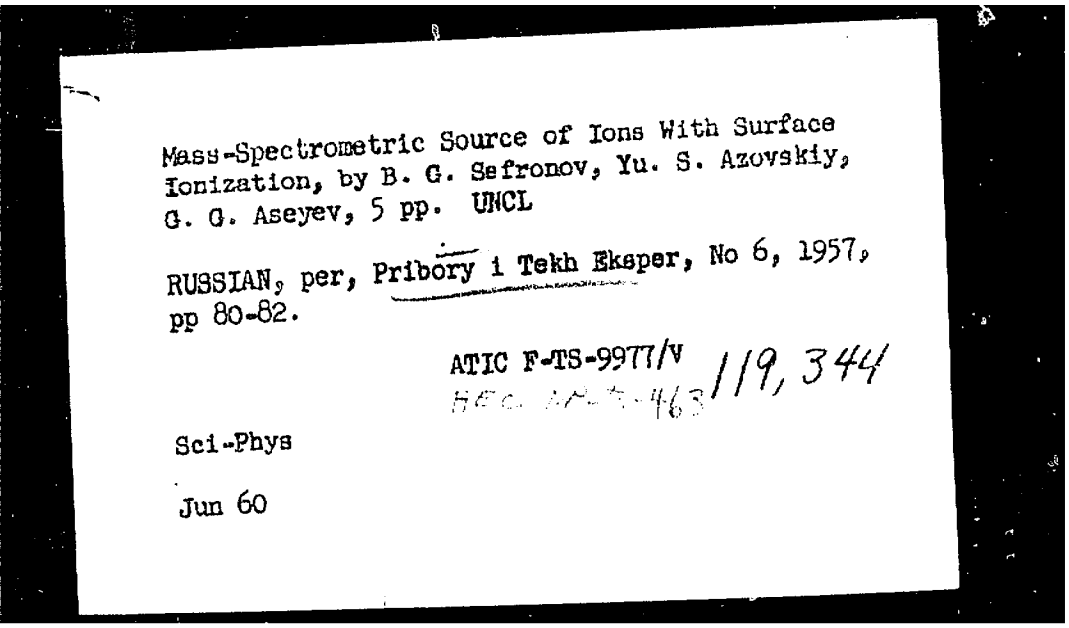

Mass-Spectrometric Source of Ions With Surface Ionization, by B. G. Sefronov, Yu. S. Azovskiy, G. G. Aseyev, 5 pp. UNCL

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ATIC F-TS-9977/V 119,344

Sci-Phys

Jun 60

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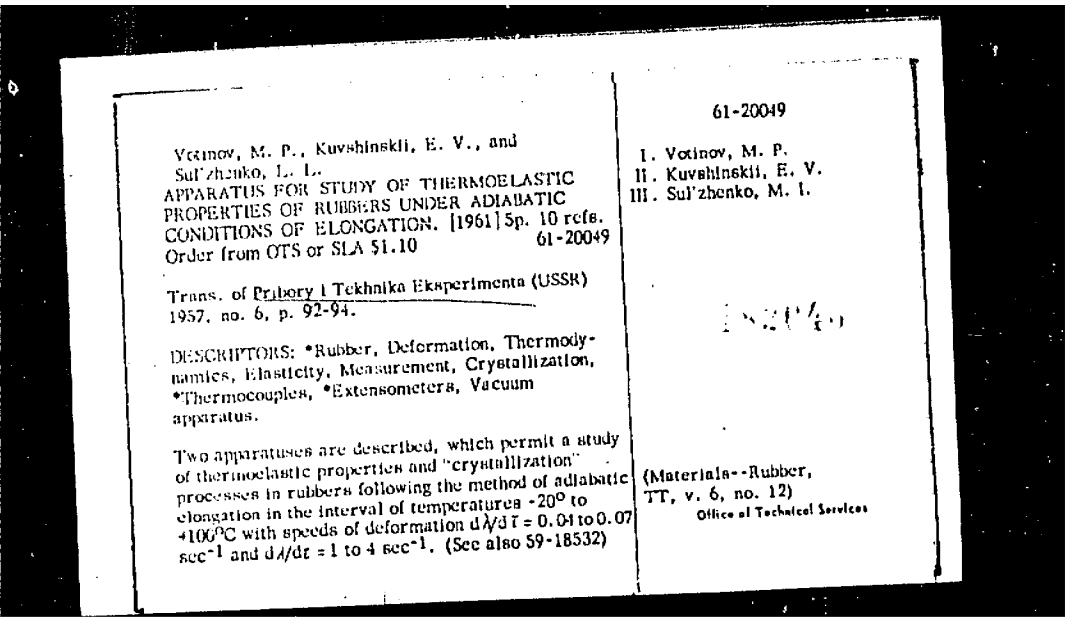

Votinov, M. P., Kuvshinskii, E. V., and Sul'zhenko, L. I.
APPARATUS FOR STUDY OF THERMOELASTIC PROPERTIES OF RUBBERS UNDER ADIABATIC CONDITIONS OF ELONGATION. [1961] 5p. 10 refs. Order from OTS or SLA $1.10 61-20049

Trans. of Pribory i Tekhnika Eksperimenta (USSR) 1957, no. 6, p. 92-94.

DESCRIPTORS: *Rubber, Deformation, Thermodynamics, Elasticity, Measurement, Crystallization, *Thermocouples, *Extensometers, Vacuum apparatus.

Two apparatuses are described, which permit a study of thermoelastic properties and "crystallization" processes in rubbers following the method of adiabatic elongation in the interval of temperatures -20° to +100°C with speeds of deformation $d\lambda/d\tau = 0.01$ to 0.07 sec^{-1} and $d\lambda/d\tau = 1$ to 4 sec^{-1}. (See also 59-18532)

61-20049

I. Votinov, M. P.
II. Kuvshinskii, E. V.
III. Sul'zhenko, M. I.

(Materials--Rubber, TT, v. 6, no. 12)
Office of Technical Services

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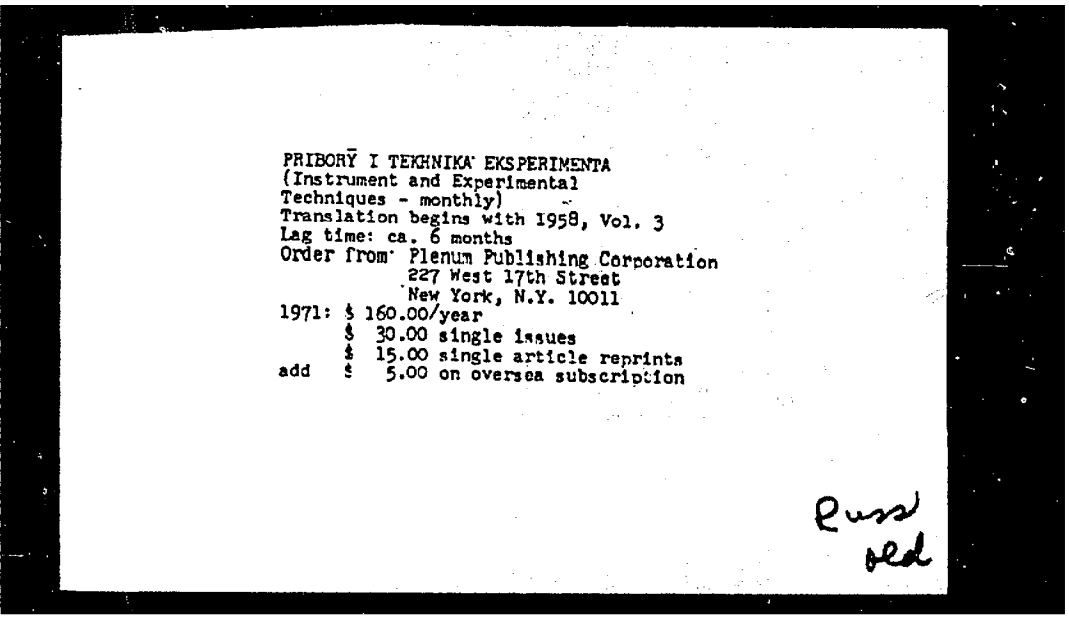

PRIBORY I TEKHNIKA EKSPERIMENTA
(Instrument and Experimental
Techniques - monthly)
Translation begins with 1958, Vol. 3
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
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$ 30.00 single issues
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No 2, 1958 pp 86-91 JPRS/L-304
No 1, 1960 pp 118-122 JPRS 5526
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A Millisecond Matrix Time Meter, by G. I. Mishin, 12 pp.
RUSSIAN, per, Pribory i Tekh Eksper, , No 5, pp 106-112, 1962.

9219728

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Sci - Phys
Feb 64

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Single-Band SHF Modulator as the Local Oscillator in a EPR Spectrometer, by M. A. Ruban, 11 pp. RUSSIAN, per, Pribory i Tekh Eksper, No 4, 1963, pp 103-106. 9693086
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Sci - Elec
Jul 64

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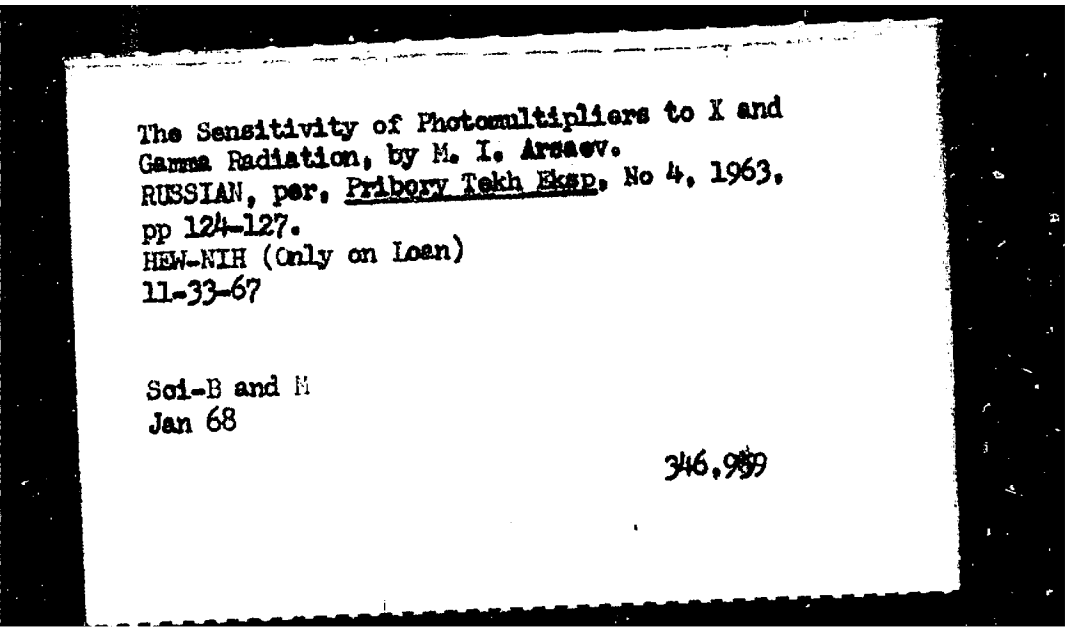

The Sensitivity of Photomultipliers to X and Gamma Radiation, by M. I. Arsaev.
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Instruments for Directing Anti-Aircraft Artillery Fire, by N. I. Pchel'nikov, 147 pp.
RUSSIAN, per, Pribory Upravleniya Artilleriyskim Zenitnym Ognem, 1940, pp 3-112.
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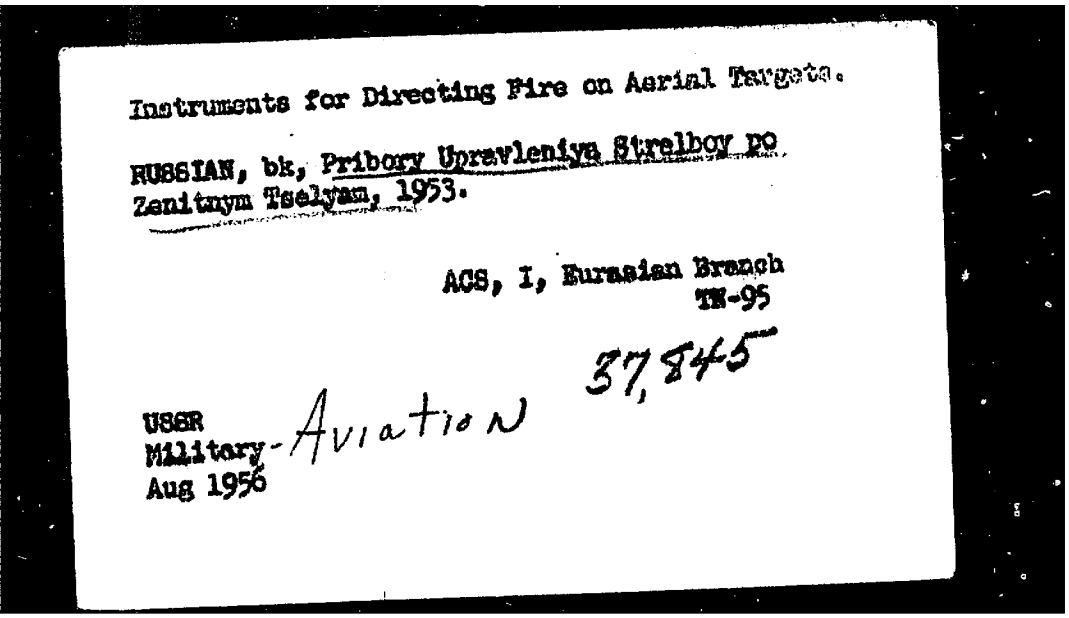

Instruments for Directing Fire on Aerial Targets.

RUSSIAN, bk, Pribory Upravleniya Strelboy PO Zenitnym Tselyam, 1953.

ACS, I, Eurasian Branch
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Military - Aviation
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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

Instrumentation and Equipment for the Automation of Building Construction Work, by A. M. Vunitskogo, ed.
RUSSIAN, bk, Pribory i Ustroistva Dlya Avtomatizatsii Predpriyatii Stroitelnoi Industrii, 1963, pp 176.
NLL RTS 31479 (On Loan)

Aug 65 287,201

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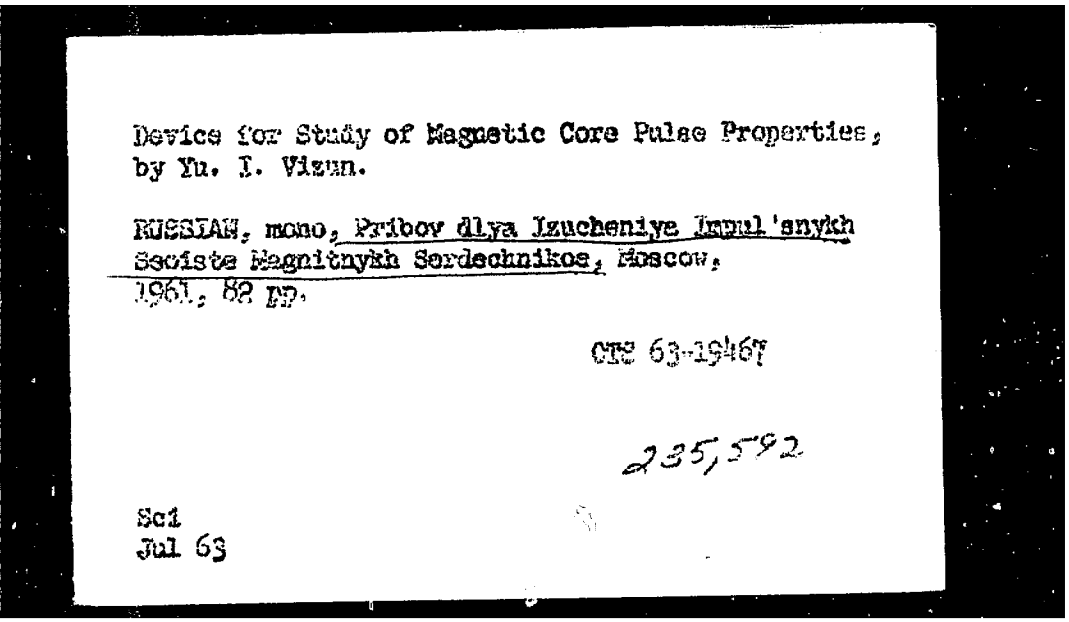

Device for Study of Magnetic Core Pulse Properties, by Yu. I. Vizun.

RUSSIAN, mono, Pribov dlya Izucheniye Impul'snykh Sostste Magnitnykh Serdechnikos, Moscow, 1961, 82 pp.

CFSTI 63-19467

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Causes of Heavy Buffeting of a TU-1046 Aircraft on 13 March 1961, on the Tashkent-Tbilissi Route, by M. V. Burkova.
RUSSIAN, rpt, Prichiny Sil'noy Boltanki Samoleta TU-1046 13/III 1961 g. na Trasse Tashkent-Tbilissi.
Dept of Navy tr 5274 ONI tr 2363

Sci/Earth Sci
May 67

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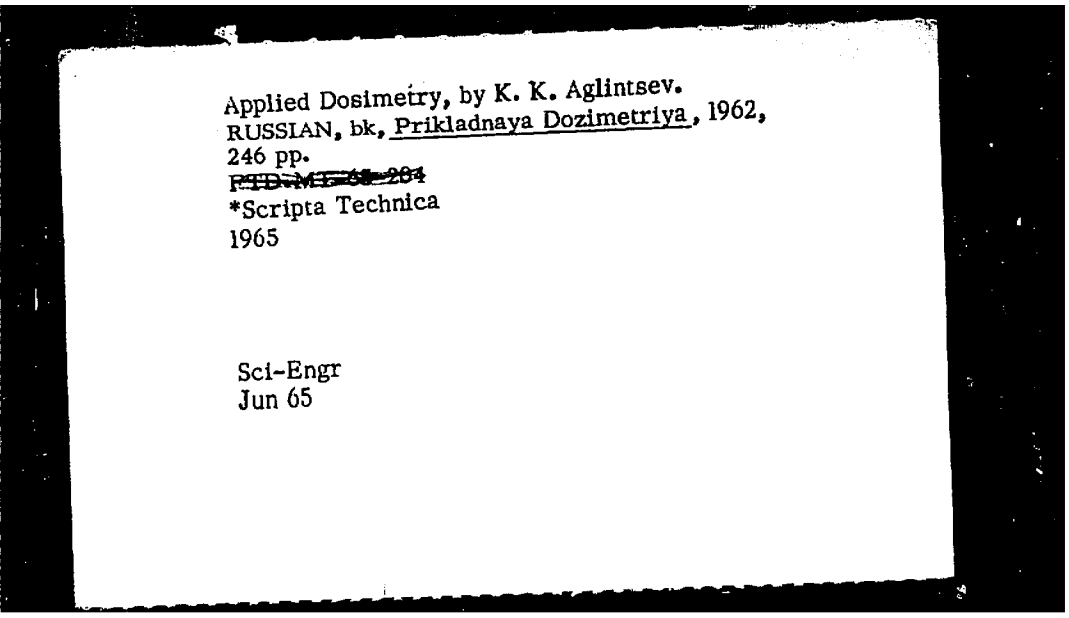

Applied Dosimetry, by K. K. Aglintsev.
RUSSIAN, bk, Prikladnaya Dozimetriya, 1962,
246 pp.
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Sci-Engr
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S-579/64

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pp 3-4, 246-247.

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Sci - Biol & Med Sci
May 64

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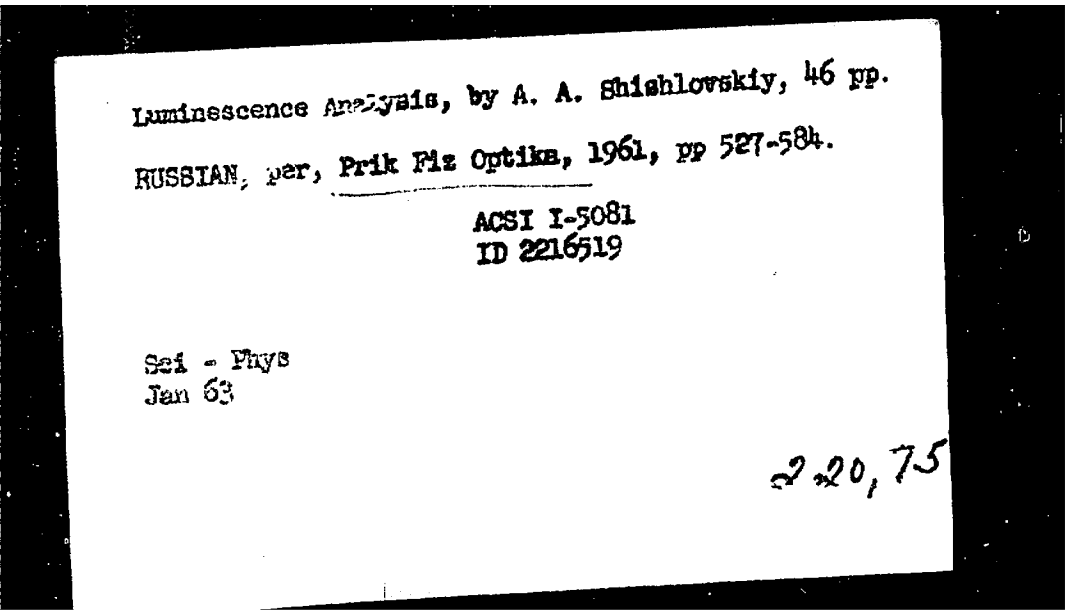

Luminescence Analysis, by A. A. Shishlovskiy, 46 pp.

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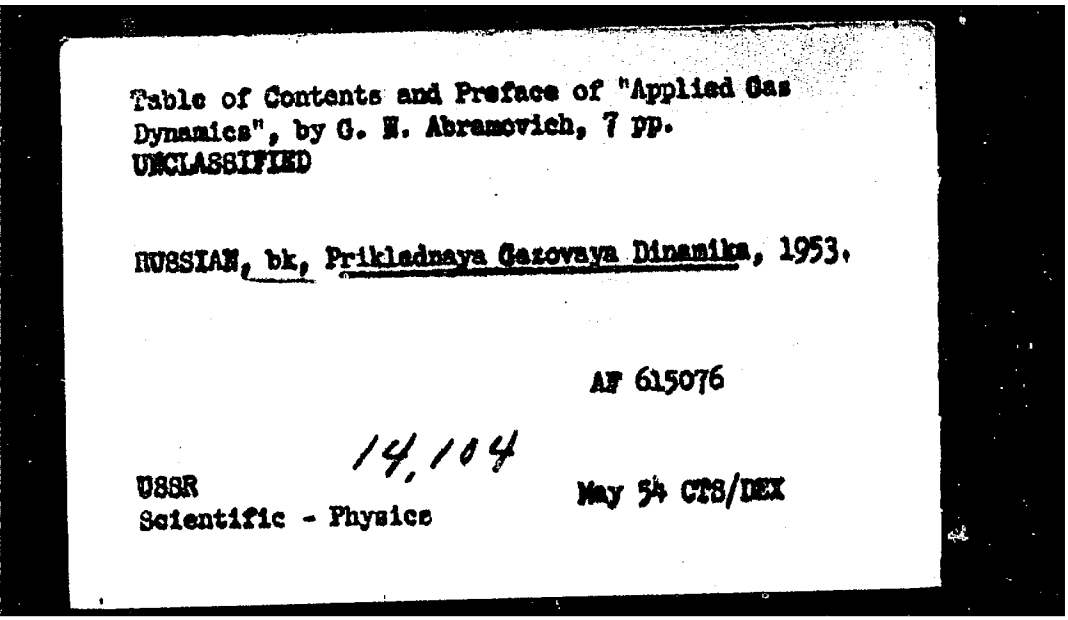

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Homogeneous Gas Flows 1. Adiabatic Gas Flows With Friction Critical Flow, by G. N. Abramovich.

RUSSIAN, per, Prikl ~~MK~~ Gazo-Dinamika, Ch. 4, 1953, pp 130-178.

TIL/T 5234

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Sci - Phys

Jan 62

APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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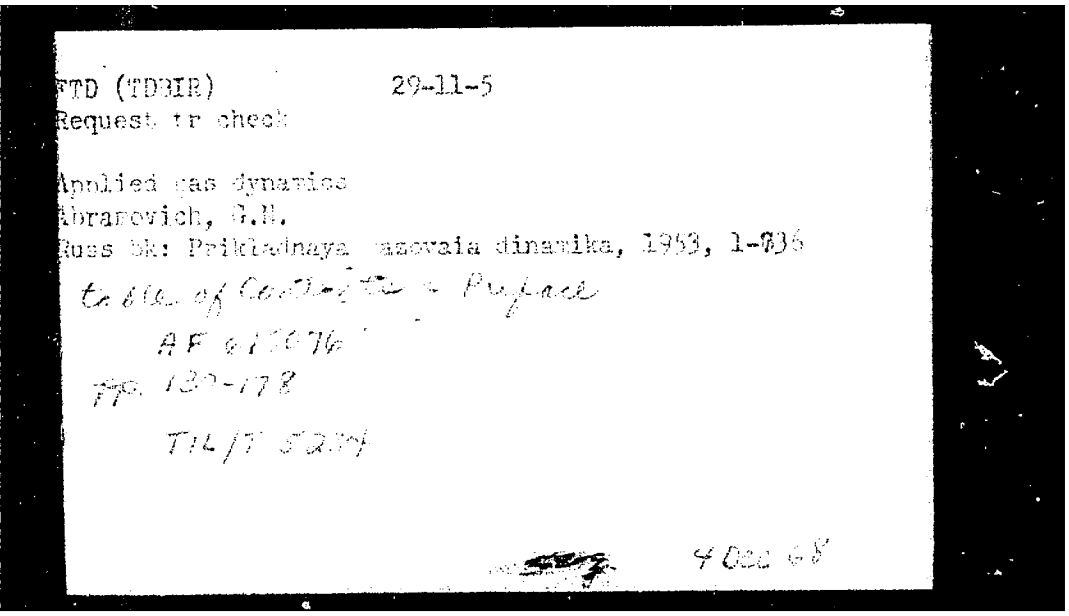

FTD (TDBIR) 29-11-5
Request tr check

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Abramovich, G.N.
Russ bk: Prikladnaya gazovaia dinamika, 1953, 1-836

table of contents + Preface

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Use of the Second Vertical Derivative of the Gravity Potential for the Geological Interpretation of the Gravimetric Survey, by K. Ye. Vaselov, 14 pp.

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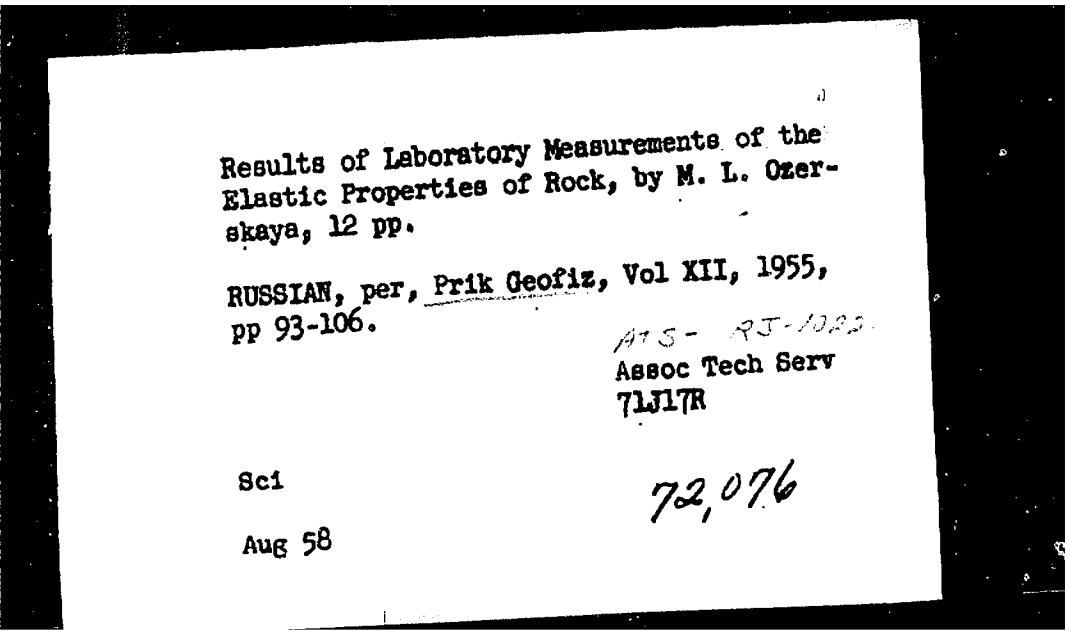

Results of Laboratory Measurements of the Elastic Properties of Rock, by M. L. Ozerskaya, 12 pp.

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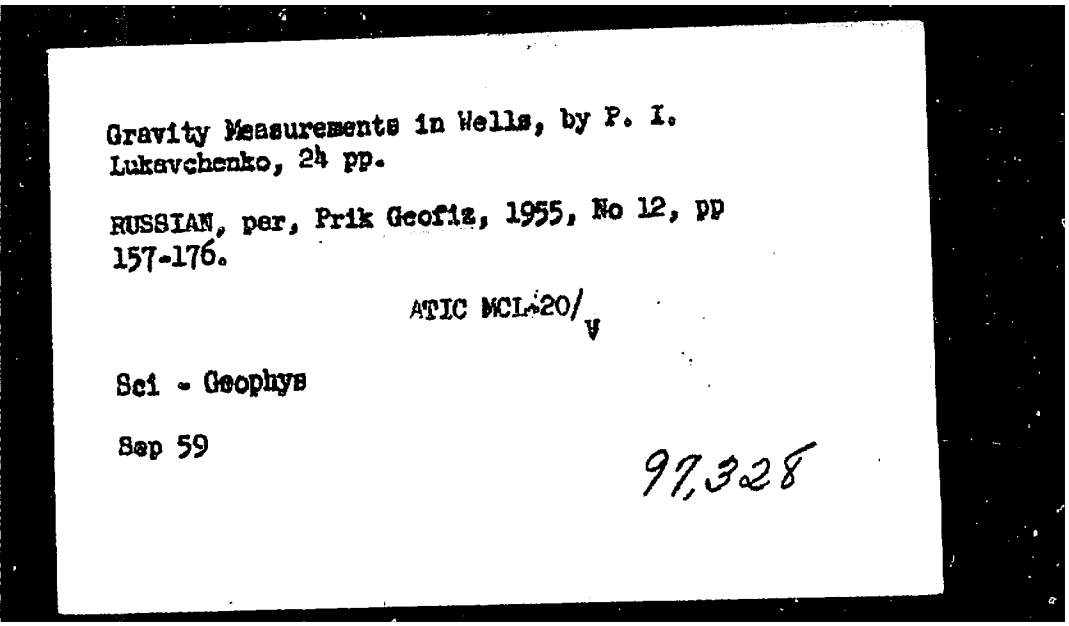

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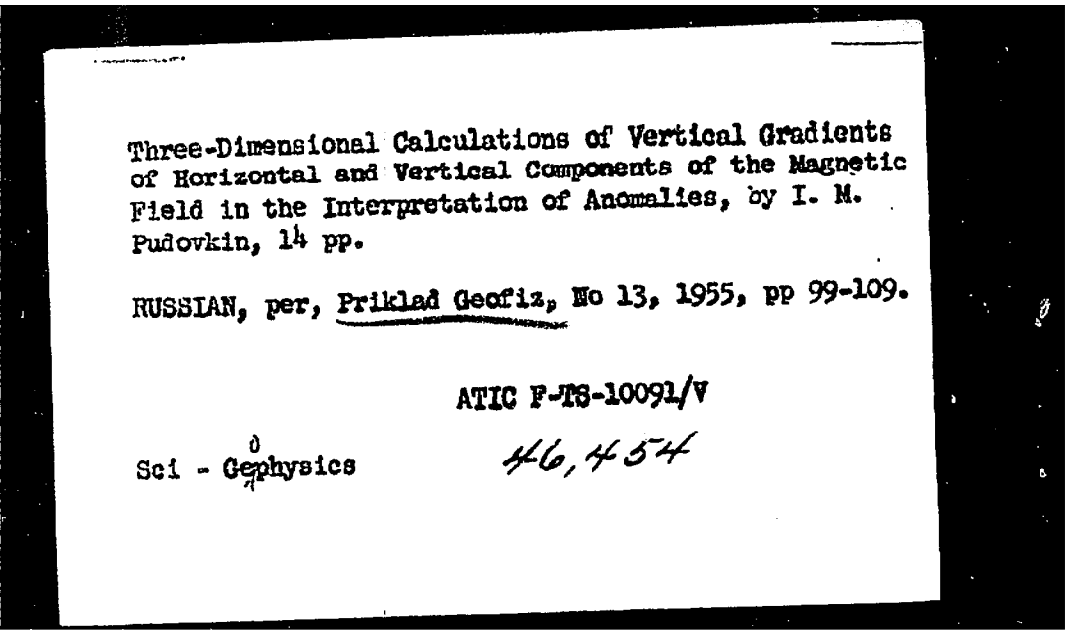

Three-Dimensional Calculations of Vertical Gradients of Horizontal and Vertical Components of the Magnetic Field in the Interpretation of Anomalies, by I. M. Pudovkin, 14 pp.

RUSSIAN, per, Priklad Geofiz, No 13, 1955, pp 99-109.

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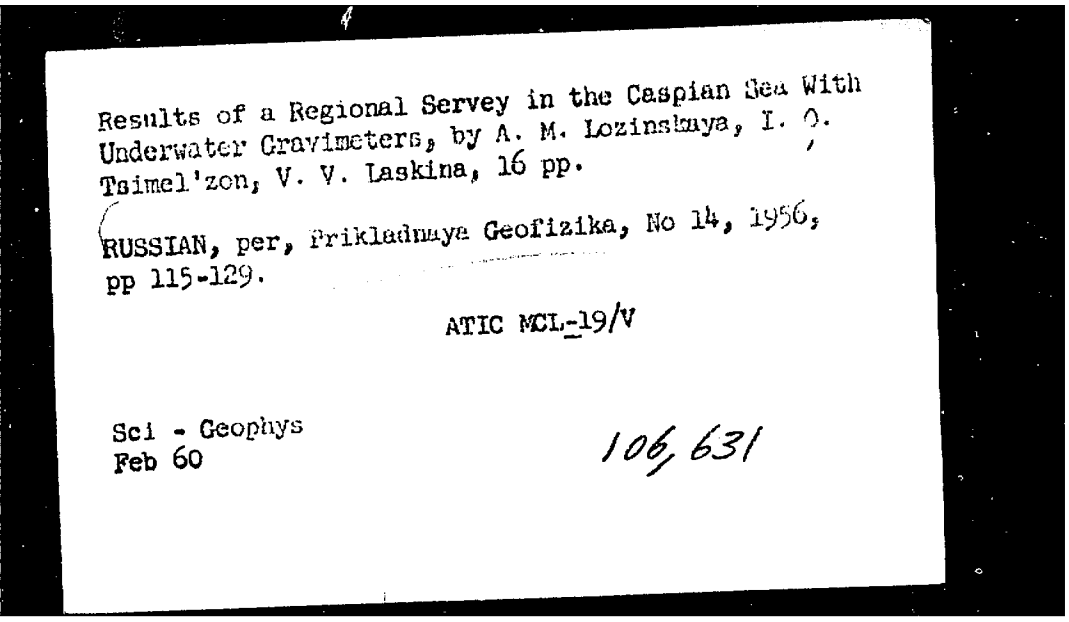

Results of a Regional Servey in the Caspian Sea With Underwater Gravimeters, by A. M. Lozinskaya, I. O. Taimel'zon, V. V. Laskina, 16 pp.

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Polyak, L. S. and Rapoport, M. B.
CORRELATION BETWEEN ELECTRICAL AND ELASTIC PROPERTIES OF SEDIMENTARY ROCKS.
[1962] [20]p. 6 refs.
Order from OTS or SLA $1.60 62-18544

Trans. from Prikladnaya Geofizika (USSR) 1956, no. 15.

DESCRIPTORS: *Sedimentary rock, Elasticity, Electrical properties, Statistical functions, Well logging.

There is a high degree of correlation between the recoil energy and porosity of elastic rocks. The conductivity and elasticity of such rocks depend upon porosity; there is, therefore, a correlation between resistivity and elastic wave velocity. The analysis of a large body of experimental data shows a correlation of 0.7 between resistivity and accoustic rigidity, and a correlation of 0.65 between conductivity and pressure wave velocity. The correlation between conductivity and the
(Earth Sciences, TT, v. 9, no. 6) (over)

62-18544

I. Polyak, L. S.
II. Rapoport, M. B.

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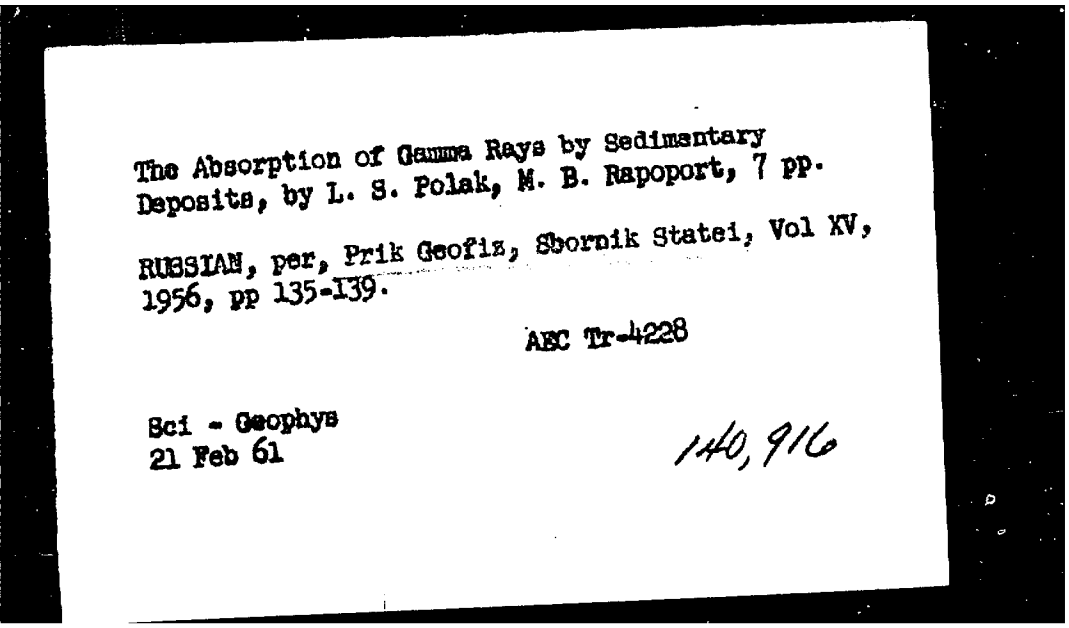

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On the Static Method of Gravity Measurement at Sea With the Use of an Elastic Rotating System, by K. Ye. Veselov, 16 pp.

RUSSIAN, per, Prikladnaya Geofizika, No 15; 1956, pp 91-102.

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An Apparatus for Laboratory Frequency Analysis of Seismic Vibrations, by G. V. Bereza, 10 p.

RUSSIAN, per, Prik Geofiz, 1957, No 16, pp 37-49.

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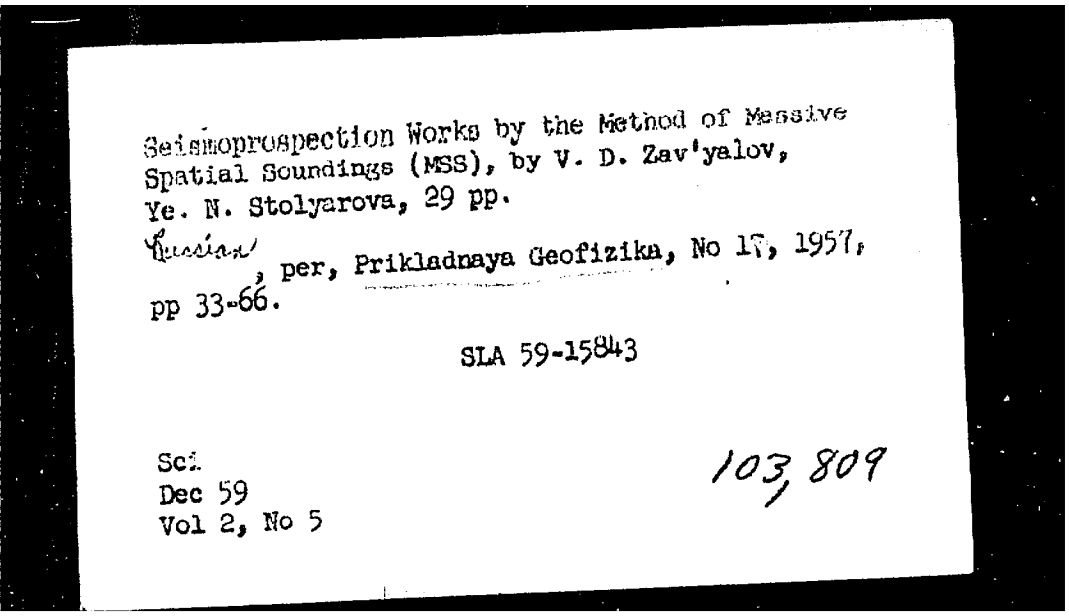

Seismoprospection Works by the Method of Massive Spatial Soundings (MSS), by V. D. Zav'yalov, Ye. N. Stolyarova, 29 pp.

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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Ultrasonic Echo Soundings for Geophysical Purposes, by L. A. Sergeev, 19 pp.

RUSSIAN, per, Prik Geofiz, Vol XX, 1958, pp 141-154.

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On the Foundation of the Method of Circumferences in the Method of Reflected Waves, by N. N. Puzyrev, 16 pp.

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SLA 59-15845

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Contributions to the theory of gamma-gamma radiation (sample drilling)

Zur Theorie der Gamma-Gamma-Streuung (Karrotage)

Prikl. Geofiz., No. 17, 231-264 (1957)

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APPROVED FOR RELEASE: Wednesday, July 02, 2003 CIA-RDP91-00929R000200920010-8

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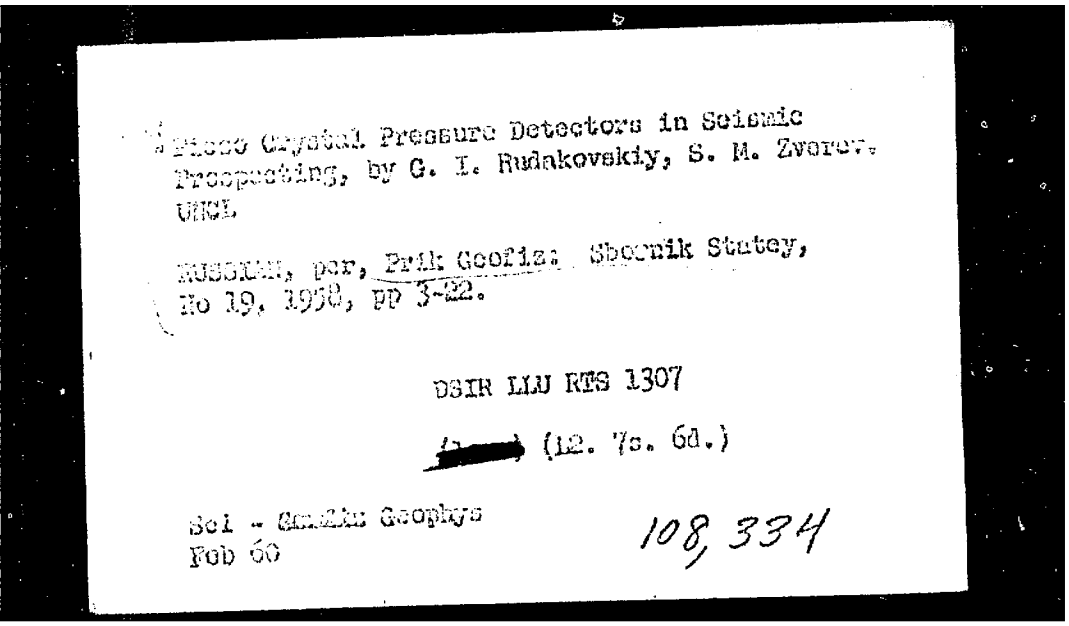

Piezo Crystal Pressure Detectors in Seismic Prospecting, by G. I. Rudakovskiy, S. M. Zverev. UNGI.

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Berdichevskii, M. N. and Zagarmistr, A. M.
INTERPRETATION OF BILATERAL ELECTRIC SOUNDINGS OBTAINED WITH DIPOLE DEVICES.
[1963] [37p] 25refs
Order from OTS, SLA, or ETC $3.60 TT-63-20620

Trans. of Prikladnaya Geofizika (USSR) 1958, no. 19, p. 57-108. (Abstract available)

DESCRIPTORS: *Geophysical prospecting, Recording systems, Resistance (Electrical), Rock (Geology),

Methods are presented of processing bilateral dipole sounding curves based on theoretical calculations for the simplest idealized sections. As the experience recently gained in various geological provinces of the Soviet Union shows, these methods prove to be efficient under favorable conditions, i.e., when the electric resistivity of rock is rather persistent. In more complicated cases, interpretation of bilateral soundings often involves
(Earth Sciences--Geology, TT, v. 11, no. 4) (over)

TT-63-20620

I. Berdichevskii, M. N.
II. Zagarmistr, A. M.

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Study of the spectrum of scattered gamma radiation in rocks of different mineralogical compositions and densities

Untersuchungen des Spektrums der gestreuten Gammastrahlung in Gesteinen verschiedener mineralogischer Zusammensetzung und Dichte

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Multiple Reflections, by S. D. Shushakov, 16 pp.

RUSSIAN, per, Priklad Geofiz, No 20, 1958, pp 3-25.

ATS 72129R

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RUSSIAN, per, Priklad Geofiz, No 20, 1958, pp 26-45.

ATS 73129R

ATS RJ-1817

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Sergeev, L. A.
ULTRASONIC ECHO SOUNDINGS FOR GEOPHYSICAL PURPOSES (Ul'trazvukovoe Ekholotirovanie dlya Geofizicheskikh Tselei) tr. by M. Slessers. 1960 [22]p. 6 refs. NOO Trans-115.
Order from OTS, SLA, or ETC $2.60 TT-63-19724

Trans. of Prikladnaya Geofizika (USSR) 1958, no. 20, p. 141-154. (Abstract available)

DESCRIPTORS: *Ultrasonic radiation, Hydrographic sonar, Hydrographic surveying, Ocean bottom, Marine geology, Oceanology, *Marine geophysics,

The development and application of ultrasonic echo soundings is discussed in conjunction with instruments used in measuring the ocean depths and in determining their stratification and composition. The results of measurements are analyzed and compared with the
(Earth Sciences--Oceanography, TT, v. 11, no. 2)
(over)

TT-63-19724

I. Sergeev, L. A.
II. NOO Trans-115
III. Naval Oceanographic Office, Washington, D. C.

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The Influence of Hole Diameter ~~ef~~ on the Neutron-Neutron Log, by S. A. Kantor, 42 pp.

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MSB

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Some Problems in Down-the-Hole Neutron Source Design, by E. A. Abb, V. M. Zaporozhets, R. J. Plotnikov, L. A. Khutsishvili, 14 pp.

RUSSIAN, per, Prik Geofiz, No 23, 1959.

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Nedostup, G. A., Prokof'ev, F. N. and others.
USE OF DIFFERENTIAL GAMMA SPECTROMETRY IN PETOLEUM GEOLOGY; STATEMENT OF THE PROBLEM. [1963] 12p. 3 refs.
Order from OTS or SLA $1.60 63-16996

Trans. of Prikladnaya Geofizika (USSR) 1959, no. 23, p. 193-201.

DESCRIPTORS: *Gamma ray spectroscopy, *Petroleum, *Geology, *Well logging, *Nuclear radiation-spectrometers, *Stratigraphy, Water, Salts, Polonium, Beryllium.

(Earth Sciences--Geology, TT, v. 10, no. 7)

63-16996

I. Nedostup, G. A.
II. Prokof'ev, F. N.

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An Experiment in Radiogeodetic Position Correlation in Detailed Aeromagnetic Surveying, by A. M. Lozinskaya, L. E. Mindlin.

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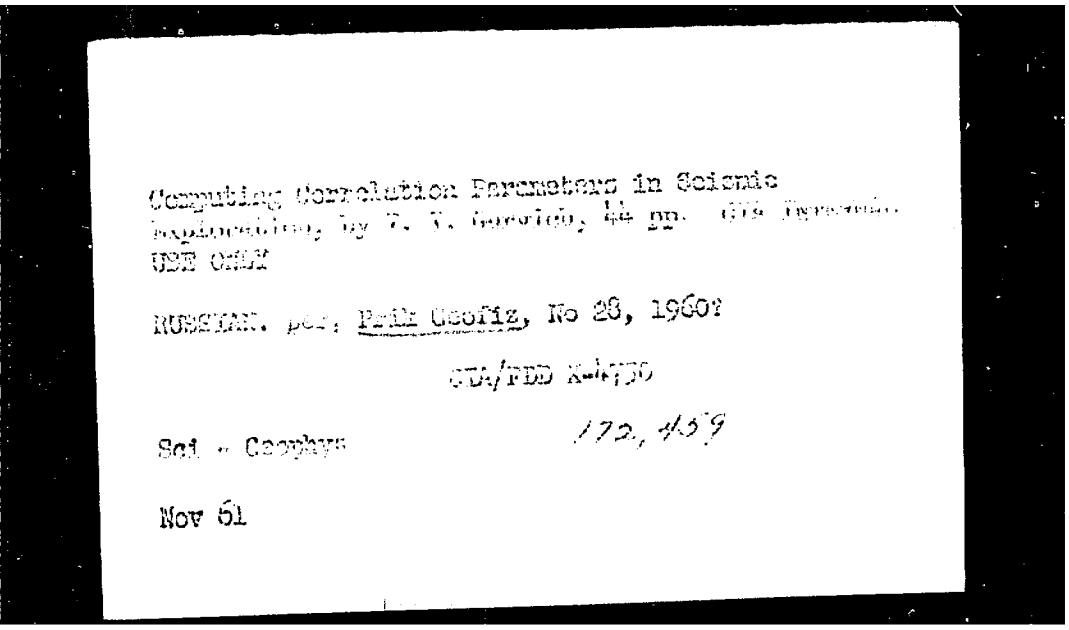

Computing Correlation Parameters in Seismic Exploration, by T. V. Gerasik, 44 pp. GTS Typescript. USSR Orig.

RUSSIAN. pub. Prik Geofiz, No 28, 1960?

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(DC-6331)

Calculating-Machine for Determining Linear Transformations of Signals, by T. B. Kalinina, F. M. Gol'tsman, 25 pp.

RUSSIAN, per, Prik Geofiz, No 28, 1960, pp 23-34.

JPRS 10982

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Principles of the Theory of Magnetotelluric Profiling, by A. N. Verdichevskiy, 29 pp.

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Gurvich, I. I.
THE THEORY OF PATTERN SHOOTING IN SEISMIC PROSPECTING (k Teorii Gruppirovanya Vzryvov pri Seismorazvedke). 35p 19refs MTWL-1143.
Order from OTS or ETC $1.25 63-26599

Trans. of Prikladnaya Geofizika (USSR), 1961, no. 29, p. 20-38.

DESCRIPTORS: Geological survey, *Seismographs, Explosion effects, *Geophysical prospecting.

(Earth Sciences--Seismology, TT, v. 10, no. 10)

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Downward Analytical Continuation of
Gravity Anomalies and Depth of Burial
Estimate of Disturbing Masses, by
O. A. Shvank.
RUSSIAN, pbr, Prikladnaya Geofizika,
No 29, 1961, pp 120-122.
ACIC TC 941

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Gravimetric Surveying With Stable Sea Gravimeters in the Sea of Okhotsk and in the Pacific Ocean, by K. Ye. Veselov, Yu. S. Yevdokimov, et al, 25 pp.

RUSSIAN, per, Prik Geofiz, M No 29, 1961, pp 136-156.

JPRS 13293

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The Processing of the Reading of Overdamped Gravimeters During Measurements at Sea, by V. A. Kuzivanov, Ye. I. Popov, 12 pp.

RUSSIAN, per, Prik Geofiz, No 29, 1961, pp 157-167.

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